

June 27, 2016

Monte Peake
Civil & Environmental Consultants
4848 Park 370 Blvd.
Suite F
Hazelwood, MO 63042
TEL: (314) 656-4566
FAX: (314) 656-4595



RE: Huster Road Substation 120-678

WorkOrder: 16061342

Dear Monte Peake:

TEKLAB, INC received 13 samples on 6/21/2016 3:22:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,



Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

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Definitions

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

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Abbr Definition

CCV Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.

DF Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilutions factors.

DNI Did not ignite

DUP Laboratory duplicate is an aliquot of a sample taken from the same container under laboratory conditions for independent processing and analysis independently of the original aliquot.

ICV Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.

IDPH IL Dept. of Public Health

LCS Laboratory control sample, spiked with verified known amounts of analytes, is analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system. The acceptable recovery range is in the QC Package (provided upon request).

LCSD Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MBLK Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.

MDL Method detection limit means the minimum concentration of a substance that can be measured and reported with 99% confidence that the analyte concentration is greater than zero.

MS Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).

MSD Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).

MW Molecular weight

ND Not Detected at the Reporting Limit

NELAP NELAP Accredited

PQL Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions. The acceptable recovery range is listed in the QC Package (provided upon request).

RL The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.

RPD Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).

SPK The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.

Surrogate Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.

TIC Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"

TNTC Too numerous to count (> 200 CFU)

Qualifiers

- Unknown hydrocarbon

B - Analyte detected in associated Method Blank

E - Value above quantitation range

H - Holding times exceeded

I - Associated internal standard was outside method criteria

J - Analyte detected below quantitation limits

M - Manual Integration used to determine area response

ND - Not Detected at the Reporting Limit

R - RPD outside accepted recovery limits

S - Spike Recovery outside recovery limits

T - TIC(Tentatively identified compound)

X - Value exceeds Maximum Contaminant Level



Case Narrative

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

Cooler Receipt Temp: 13.42 °C

Locations and Accreditations

	Collinsville	Springfield	Kansas City	Collinsville Air
Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425	3920 Pintail Dr Springfield, IL 62711-9415	8421 Nieman Road Lenexa, KS 66214	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004	(217) 698-1004	(913) 541-1998	(618) 344-1004
Fax	(618) 344-1005	(217) 698-1005	(913) 541-1998	(618) 344-1005
Email	jhriley@teklabinc.com	KKlostermann@teklabinc.com	dthompson@teklabinc.com	EHurley@teklabinc.com

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2017	Collinsville
Kansas	KDHE	E-10374	NELAP	7/31/2016	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2017	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2017	Collinsville
Texas	TCEQ	T104704515-12-1	NELAP	7/31/2016	Collinsville
Arkansas	ADEQ	88-0966		3/14/2017	Collinsville
Illinois	IDPH	17584		5/31/2017	Collinsville
Kentucky	KDEP	98006		12/31/2016	Collinsville
Kentucky	UST	0073		1/31/2017	Collinsville
Missouri	MDNR	00930		5/31/2017	Collinsville
Missouri	MDNR	930		1/31/2017	Collinsville
Oklahoma	ODEQ	9978		8/31/2016	Collinsville

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-001

Client Sample ID: PZ10

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,4-Dioxane	NELAP	0.00100		ND	mg/L	1	06/24/2016 17:22	120036
Surr: 2-Fluorobiphenyl		19.9-83		55.5	%REC	1	06/24/2016 17:22	120036
Surr: Nitrobenzene-d5		23-84		65.5	%REC	1	06/24/2016 17:22	120036
Surr: p-Terphenyl-d14		33.5-106		53.5	%REC	1	06/24/2016 17:22	120036
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:23	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 14:23	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:23	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 14:23	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:23	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:23	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 14:23	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 14:23	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 14:23	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-001

Client Sample ID: PZ10

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 14:23	120078
cis-1,2-Dichloroethene	NELAP	5.0		5.6	µg/L	1	06/22/2016 14:23	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 14:23	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 14:23	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 14:23	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 14:23	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 14:23	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 14:23	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 14:23	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 14:23	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 14:23	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-001

Client Sample ID: PZ10

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:11

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:23	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 14:23	120078
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 14:23	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		93.5	%REC	1	06/22/2016 14:23	120078
Surr: 4-Bromofluorobenzene		86-119		107.0	%REC	1	06/22/2016 14:23	120078
Surr: Dibromofluoromethane		81.7-123		92.7	%REC	1	06/22/2016 14:23	120078
Surr: Toluene-d8		84.3-114		98.8	%REC	1	06/22/2016 14:23	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-002

Client Sample ID: PZ-4

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:52	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 14:52	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:52	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 14:52	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:52	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 14:52	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 14:52	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 14:52	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 14:52	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-002

Client Sample ID: PZ-4

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 14:52	120078
cis-1,2-Dichloroethene	NELAP	5.0	J	4.6	µg/L	1	06/22/2016 14:52	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 14:52	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 14:52	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 14:52	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 14:52	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 14:52	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 14:52	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 14:52	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 14:52	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 14:52	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 14:52	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 14:52	120078



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-002

Client Sample ID: PZ-4

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 14:52	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		95.5	%REC	1	06/22/2016 14:52	120078
Surr: 4-Bromofluorobenzene		86-119		108.8	%REC	1	06/22/2016 14:52	120078
Surr: Dibromofluoromethane		81.7-123		93.2	%REC	1	06/22/2016 14:52	120078
Surr: Toluene-d8		84.3-114		98.0	%REC	1	06/22/2016 14:52	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-003

Client Sample ID: PZ-9

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:22	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 15:22	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:22	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 15:22	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:22	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:22	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 15:22	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 15:22	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 15:22	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-003

Client Sample ID: PZ-9

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 15:22	120078
cis-1,2-Dichloroethene	NELAP	5.0		28.0	µg/L	1	06/22/2016 15:22	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 15:22	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 15:22	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 15:22	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 15:22	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 15:22	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 15:22	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 15:22	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 15:22	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 15:22	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:22	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:22	120078



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

Lab ID: 16061342-003

Client Sample ID: PZ-9

Matrix: GROUNDWATER

Collection Date: 06/21/2016 9:57

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0	J	0.5	µg/L	1	06/22/2016 15:22	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		95.3	%REC	1	06/22/2016 15:22	120078
Surr: 4-Bromofluorobenzene		86-119		108.6	%REC	1	06/22/2016 15:22	120078
Surr: Dibromofluoromethane		81.7-123		93.9	%REC	1	06/22/2016 15:22	120078
Surr: Toluene-d8		84.3-114		97.8	%REC	1	06/22/2016 15:22	120078

LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-004

Client Sample ID: PZ-5

Matrix: GROUNDWATER

Collection Date: 06/21/2016 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,4-Dioxane	NELAP	0.00100		ND	mg/L	1	06/24/2016 17:54	120036
Surr: 2-Fluorobiphenyl		19.9-83		59.7	%REC	1	06/24/2016 17:54	120036
Surr: Nitrobenzene-d5		23-84		71.7	%REC	1	06/24/2016 17:54	120036
Surr: p-Terphenyl-d14		33.5-106		61.2	%REC	1	06/24/2016 17:54	120036
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:51	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 15:51	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:51	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 15:51	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:51	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:51	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 15:51	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 15:51	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 15:51	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-004

Client Sample ID: PZ-5

Matrix: GROUNDWATER

Collection Date: 06/21/2016 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 15:51	120078
cis-1,2-Dichloroethene	NELAP	5.0		30.4	µg/L	1	06/22/2016 15:51	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 15:51	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 15:51	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 15:51	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 15:51	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 15:51	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 15:51	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 15:51	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 15:51	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 15:51	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-004

Client Sample ID: PZ-5

Matrix: GROUNDWATER

Collection Date: 06/21/2016 10:13

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:51	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:51	120078
Vinyl chloride	NELAP	2.0	J	0.8	µg/L	1	06/22/2016 15:51	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		99.0	%REC	1	06/22/2016 15:51	120078
Surr: 4-Bromofluorobenzene		86-119		107.4	%REC	1	06/22/2016 15:51	120078
Surr: Dibromofluoromethane		81.7-123		94.7	%REC	1	06/22/2016 15:51	120078
Surr: Toluene-d8		84.3-114		97.5	%REC	1	06/22/2016 15:51	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-005

Client Sample ID: PZ-8

Matrix: GROUNDWATER

Collection Date: 06/21/2016 10:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:20	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 17:20	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:20	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 17:20	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:20	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:20	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 17:20	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 17:20	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 17:20	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-005

Client Sample ID: PZ-8

Matrix: GROUNDWATER

Collection Date: 06/21/2016 10:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 17:20	120078
cis-1,2-Dichloroethene	NELAP	5.0	J	1.7	µg/L	1	06/22/2016 17:20	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 17:20	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 17:20	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 17:20	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 17:20	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 17:20	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 17:20	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 17:20	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 17:20	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 17:20	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:20	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:20	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-005

Client Sample ID: PZ-8

Matrix: GROUNDWATER

Collection Date: 06/21/2016 10:38

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 17:20	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		95.8	%REC	1	06/22/2016 17:20	120078
Surr: 4-Bromofluorobenzene		86-119		109.2	%REC	1	06/22/2016 17:20	120078
Surr: Dibromofluoromethane		81.7-123		94.1	%REC	1	06/22/2016 17:20	120078
Surr: Toluene-d8		84.3-114		98.5	%REC	1	06/22/2016 17:20	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-006

Client Sample ID: PZ-7

Matrix: GROUNDWATER

Collection Date: 06/21/2016 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,4-Dioxane	NELAP	0.00100		ND	mg/L	1	06/24/2016 18:25	120036
Surr: 2-Fluorobiphenyl		19.9-83		58.0	%REC	1	06/24/2016 18:25	120036
Surr: Nitrobenzene-d5		23-84		67.4	%REC	1	06/24/2016 18:25	120036
Surr: p-Terphenyl-d14		33.5-106		48.8	%REC	1	06/24/2016 18:25	120036
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:50	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 17:50	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:50	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 17:50	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:50	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:50	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 17:50	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 17:50	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 17:50	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-006

Client Sample ID: PZ-7

Matrix: GROUNDWATER

Collection Date: 06/21/2016 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 17:50	120078
cis-1,2-Dichloroethene	NELAP	5.0		5.8	µg/L	1	06/22/2016 17:50	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 17:50	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 17:50	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 17:50	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 17:50	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 17:50	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 17:50	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 17:50	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 17:50	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 17:50	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-006

Client Sample ID: PZ-7

Matrix: GROUNDWATER

Collection Date: 06/21/2016 11:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:50	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:50	120078
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 17:50	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		96.5	%REC	1	06/22/2016 17:50	120078
Surr: 4-Bromofluorobenzene		86-119		108.3	%REC	1	06/22/2016 17:50	120078
Surr: Dibromofluoromethane		81.7-123		94.1	%REC	1	06/22/2016 17:50	120078
Surr: Toluene-d8		84.3-114		99.3	%REC	1	06/22/2016 17:50	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-007

Client Sample ID: PZ-6

Matrix: GROUNDWATER

Collection Date: 06/21/2016 11:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:18	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 18:18	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:18	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 18:18	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:18	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:18	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 18:18	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 18:18	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 18:18	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-007

Client Sample ID: PZ-6

Matrix: GROUNDWATER

Collection Date: 06/21/2016 11:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 18:18	120078
cis-1,2-Dichloroethene	NELAP	5.0	J	2.9	µg/L	1	06/22/2016 18:18	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 18:18	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 18:18	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 18:18	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 18:18	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 18:18	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 18:18	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 18:18	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 18:18	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 18:18	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:18	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 18:18	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-007

Client Sample ID: PZ-6

Matrix: GROUNDWATER

Collection Date: 06/21/2016 11:22

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 18:18	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		97.6	%REC	1	06/22/2016 18:18	120078
Surr: 4-Bromofluorobenzene		86-119		109.5	%REC	1	06/22/2016 18:18	120078
Surr: Dibromofluoromethane		81.7-123		94.5	%REC	1	06/22/2016 18:18	120078
Surr: Toluene-d8		84.3-114		98.3	%REC	1	06/22/2016 18:18	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-008

Client Sample ID: PZ-1 (WEST)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:47	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 18:47	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:47	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 18:47	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:47	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 18:47	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 18:47	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 18:47	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 18:47	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-008

Client Sample ID: PZ-1 (WEST)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 18:47	120078
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 18:47	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 18:47	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 18:47	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 18:47	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 18:47	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 18:47	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 18:47	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 18:47	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 18:47	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 18:47	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 18:47	120078



Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

Lab ID: 16061342-008

Client Sample ID: PZ-1 (WEST)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:26

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 18:47	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		95.8	%REC	1	06/22/2016 18:47	120078
Surr: 4-Bromofluorobenzene		86-119		108.5	%REC	1	06/22/2016 18:47	120078
Surr: Dibromofluoromethane		81.7-123		93.5	%REC	1	06/22/2016 18:47	120078
Surr: Toluene-d8		84.3-114		98.2	%REC	1	06/22/2016 18:47	120078

LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-009

Client Sample ID: PZ-2 (CENTRAL)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,4-Dioxane	NELAP	0.00100		ND	mg/L	1	06/24/2016 18:56	120036
Surr: 2-Fluorobiphenyl		19.9-83		52.6	%REC	1	06/24/2016 18:56	120036
Surr: Nitrobenzene-d5		23-84		64.7	%REC	1	06/24/2016 18:56	120036
Surr: p-Terphenyl-d14		33.5-106		42.8	%REC	1	06/24/2016 18:56	120036
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:15	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 19:15	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:15	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 19:15	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:15	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:15	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 19:15	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 19:15	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 19:15	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-009

Client Sample ID: PZ-2 (CENTRAL)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 19:15	120078
cis-1,2-Dichloroethene	NELAP	5.0		22.9	µg/L	1	06/22/2016 19:15	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 19:15	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 19:15	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 19:15	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 19:15	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 19:15	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 19:15	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 19:15	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 19:15	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 19:15	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-009

Client Sample ID: PZ-2 (CENTRAL)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:41

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:15	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 19:15	120078
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 19:15	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		95.4	%REC	1	06/22/2016 19:15	120078
Surr: 4-Bromofluorobenzene		86-119		110.2	%REC	1	06/22/2016 19:15	120078
Surr: Dibromofluoromethane		81.7-123		93.5	%REC	1	06/22/2016 19:15	120078
Surr: Toluene-d8		84.3-114		98.5	%REC	1	06/22/2016 19:15	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-010

Client Sample ID: PZ-3 (EAST)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:43	120078
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 19:43	120078
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:43	120078
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 19:43	120078
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:43	120078
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 19:43	120078
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 19:43	120078
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 19:43	120078
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 19:43	120078
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-010

Client Sample ID: PZ-3 (EAST)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 19:43	120078
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 19:43	120078
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 19:43	120078
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 19:43	120078
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
n-Heptane		20.0		ND	µg/L	1	06/22/2016 19:43	120078
n-Hexane		20.0		ND	µg/L	1	06/22/2016 19:43	120078
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 19:43	120078
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 19:43	120078
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 19:43	120078
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 19:43	120078
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 19:43	120078
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 19:43	120078

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-010

Client Sample ID: PZ-3 (EAST)

Matrix: GROUNDWATER

Collection Date: 06/21/2016 13:56

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 19:43	120078
Surr: 1,2-Dichloroethane-d4		74.7-129		97.0	%REC	1	06/22/2016 19:43	120078
Surr: 4-Bromofluorobenzene		86-119		110.6	%REC	1	06/22/2016 19:43	120078
Surr: Dibromofluoromethane		81.7-123		93.8	%REC	1	06/22/2016 19:43	120078
Surr: Toluene-d8		84.3-114		98.4	%REC	1	06/22/2016 19:43	120078
LCS & LCSD recovered outside upper QC limits for 2-chloroethyl vinyl ether. Sample results are below reporting limit. Data is reportable per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride in the LCS verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								
Allowable Marginal Exceedance of allyl chloride & trichlorofluoromethane in the LCSD verified per 2009 TNI Standard (Volume 1, Module 4, section 1.7.4.2).								

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-011

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 06/21/2016 14:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:11	120083
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 15:11	120083
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:11	120083
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 15:11	120083
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:11	120083
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 15:11	120083
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 15:11	120083
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 15:11	120083
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 15:11	120083
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-011

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 06/21/2016 14:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 15:11	120083
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 15:11	120083
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 15:11	120083
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 15:11	120083
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
n-Heptane		20.0		ND	µg/L	1	06/22/2016 15:11	120083
n-Hexane		20.0		ND	µg/L	1	06/22/2016 15:11	120083
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 15:11	120083
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 15:11	120083
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 15:11	120083
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 15:11	120083
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 15:11	120083
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 15:11	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-011

Client Sample ID: PZ-11

Matrix: GROUNDWATER

Collection Date: 06/21/2016 14:12

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 15:11	120083
Surr: 1,2-Dichloroethane-d4		74.7-129		101.3	%REC	1	06/22/2016 15:11	120083
Surr: 4-Bromofluorobenzene		86-119		102.0	%REC	1	06/22/2016 15:11	120083
Surr: Dibromofluoromethane		81.7-123		99.5	%REC	1	06/22/2016 15:11	120083
Surr: Toluene-d8		84.3-114		100.2	%REC	1	06/22/2016 15:11	120083

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-012

Client Sample ID: PZ-12

Matrix: GROUNDWATER

Collection Date: 06/21/2016 14:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 16:38	120083
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 16:38	120083
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 16:38	120083
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 16:38	120083
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 16:38	120083
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 16:38	120083
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 16:38	120083
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 16:38	120083
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 16:38	120083
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-012

Client Sample ID: PZ-12

Matrix: GROUNDWATER

Collection Date: 06/21/2016 14:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 16:38	120083
cis-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 16:38	120083
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 16:38	120083
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 16:38	120083
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
n-Heptane		20.0		ND	µg/L	1	06/22/2016 16:38	120083
n-Hexane		20.0		ND	µg/L	1	06/22/2016 16:38	120083
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 16:38	120083
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 16:38	120083
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 16:38	120083
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 16:38	120083
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 16:38	120083
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 16:38	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-012

Client Sample ID: PZ-12

Matrix: GROUNDWATER

Collection Date: 06/21/2016 14:31

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 16:38	120083
Surr: 1,2-Dichloroethane-d4		74.7-129		101.2	%REC	1	06/22/2016 16:38	120083
Surr: 4-Bromofluorobenzene		86-119		101.5	%REC	1	06/22/2016 16:38	120083
Surr: Dibromofluoromethane		81.7-123		100.2	%REC	1	06/22/2016 16:38	120083
Surr: Toluene-d8		84.3-114		100.5	%REC	1	06/22/2016 16:38	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-013

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 06/21/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
1,1,1,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1,1-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1,2,2-Tetrachloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1,2-Trichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1-Dichloro-2-propanone		50.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,1-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2,3-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2,3-Trichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2,3-Trimethylbenzene		5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2,4-Trichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2,4-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2-Dibromo-3-chloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2-Dibromoethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2-Dichloroethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,3,5-Trimethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,3-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,3-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1,4-Dichlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
1-Chlorobutane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
2,2-Dichloropropane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
2-Butanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:05	120083
2-Chloroethyl vinyl ether	NELAP	20.0		ND	µg/L	1	06/22/2016 17:05	120083
2-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
2-Hexanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:05	120083
2-Nitropropane	NELAP	50.0		ND	µg/L	1	06/22/2016 17:05	120083
4-Chlorotoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
4-Methyl-2-pentanone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:05	120083
Acetone	NELAP	25.0		ND	µg/L	1	06/22/2016 17:05	120083
Acetonitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 17:05	120083
Acrolein	NELAP	100		ND	µg/L	1	06/22/2016 17:05	120083
Acrylonitrile	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Allyl chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Benzene	NELAP	2.0		ND	µg/L	1	06/22/2016 17:05	120083
Bromobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Bromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Bromodichloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Bromoform	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Bromomethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Carbon disulfide	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Carbon tetrachloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Chlorobenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Chloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-013

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 06/21/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Chloroform	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Chloromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Chloroprene	NELAP	20.0		ND	µg/L	1	06/22/2016 17:05	120083
cis-1,2-Dichloroethene	NELAP	5.0	J	2.5	µg/L	1	06/22/2016 17:05	120083
cis-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
cis-1,4-Dichloro-2-butene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Cyclohexanone		50.0		ND	µg/L	1	06/22/2016 17:05	120083
Dibromochloromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Dibromomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Dichlorodifluoromethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Ethyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Ethyl ether	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Ethyl methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Ethylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Hexachlorobutadiene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Hexachloroethane	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Iodomethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Isopropylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
m,p-Xylenes	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Methacrylonitrile	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Methyl Methacrylate	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Methyl tert-butyl ether	NELAP	2.0		ND	µg/L	1	06/22/2016 17:05	120083
Methylacrylate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Methylene chloride	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Naphthalene	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
n-Butyl acetate		25.0		ND	µg/L	1	06/22/2016 17:05	120083
n-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
n-Heptane		20.0		ND	µg/L	1	06/22/2016 17:05	120083
n-Hexane		20.0		ND	µg/L	1	06/22/2016 17:05	120083
Nitrobenzene	NELAP	50.0		ND	µg/L	1	06/22/2016 17:05	120083
n-Propylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
o-Xylene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Pentachloroethane	NELAP	20.0		ND	µg/L	1	06/22/2016 17:05	120083
p-Isopropyltoluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Propionitrile	NELAP	50.0		ND	µg/L	1	06/22/2016 17:05	120083
sec-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Styrene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
tert-Butylbenzene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Tetrachloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Tetrahydrofuran	NELAP	20.0		ND	µg/L	1	06/22/2016 17:05	120083
Toluene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
trans-1,2-Dichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
trans-1,3-Dichloropropene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
trans-1,4-Dichloro-2-butene	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083
Trichloroethene	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Trichlorofluoromethane	NELAP	5.0		ND	µg/L	1	06/22/2016 17:05	120083
Vinyl acetate	NELAP	10.0		ND	µg/L	1	06/22/2016 17:05	120083

Laboratory Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants
Client Project: Huster Road Substation 120-678

Work Order: 16061342
Report Date: 27-Jun-16

Lab ID: 16061342-013

Client Sample ID: DUP

Matrix: GROUNDWATER

Collection Date: 06/21/2016 0:00

Analyses	Certification	RL	Qual	Result	Units	DF	Date Analyzed	Batch
SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS								
Vinyl chloride	NELAP	2.0		ND	µg/L	1	06/22/2016 17:05	120083
Surr: 1,2-Dichloroethane-d4		74.7-129		101.5	%REC	1	06/22/2016 17:05	120083
Surr: 4-Bromofluorobenzene		86-119		102.3	%REC	1	06/22/2016 17:05	120083
Surr: Dibromofluoromethane		81.7-123		99.6	%REC	1	06/22/2016 17:05	120083
Surr: Toluene-d8		84.3-114		100.4	%REC	1	06/22/2016 17:05	120083

Sample Summary

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

Lab Sample ID	Client Sample ID	Matrix	Fractions	Collection Date
16061342-001	PZ10	Groundwater	2	06/21/2016 9:11
16061342-002	PZ-4	Groundwater	1	06/21/2016 9:38
16061342-003	PZ-9	Groundwater	1	06/21/2016 9:57
16061342-004	PZ-5	Groundwater	2	06/21/2016 10:13
16061342-005	PZ-8	Groundwater	1	06/21/2016 10:38
16061342-006	PZ-7	Groundwater	2	06/21/2016 11:00
16061342-007	PZ-6	Groundwater	1	06/21/2016 11:22
16061342-008	PZ-1 (WEST)	Groundwater	1	06/21/2016 13:26
16061342-009	PZ-2 (CENTRAL)	Groundwater	2	06/21/2016 13:41
16061342-010	PZ-3 (EAST)	Groundwater	1	06/21/2016 13:56
16061342-011	PZ-11	Groundwater	1	06/21/2016 14:12
16061342-012	PZ-12	Groundwater	1	06/21/2016 14:31
16061342-013	DUP	Groundwater	1	06/21/2016 0:00

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

Sample ID	Client Sample ID	Collection Date	Received Date		
			Test Name	Prep Date/Time	Analysis Date/Time
16061342-001A	PZ10	06/21/2016 9:11	06/21/2016 15:22		
		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/22/2016 9:37	06/24/2016 17:22
16061342-001B	PZ10	06/21/2016 9:11	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 14:23
16061342-002A	PZ-4	06/21/2016 9:38	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 14:52
16061342-003A	PZ-9	06/21/2016 9:57	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 15:22
16061342-004A	PZ-5	06/21/2016 10:13	06/21/2016 15:22		
		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/22/2016 9:37	06/24/2016 17:54
16061342-004B	PZ-5	06/21/2016 10:13	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 15:51
16061342-005A	PZ-8	06/21/2016 10:38	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 17:20
16061342-006A	PZ-7	06/21/2016 11:00	06/21/2016 15:22		
		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/22/2016 9:37	06/24/2016 18:25
16061342-006B	PZ-7	06/21/2016 11:00	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 17:50
16061342-007A	PZ-6	06/21/2016 11:22	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 18:18
16061342-008A	PZ-1 (WEST)	06/21/2016 13:26	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 18:47
16061342-009A	PZ-2 (CENTRAL)	06/21/2016 13:41	06/21/2016 15:22		
		SW-846 3510C, 8270C SIMS, Semi-Volatile Organic Compounds by GC/MS		06/22/2016 9:37	06/24/2016 18:56
16061342-009B	PZ-2 (CENTRAL)	06/21/2016 13:41	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 19:15
16061342-010A	PZ-3 (EAST)	06/21/2016 13:56	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 19:43
16061342-011A	PZ-11	06/21/2016 14:12	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 15:11
16061342-012A	PZ-12	06/21/2016 14:31	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 16:38
16061342-013A	DUP	06/21/2016 0:00	06/21/2016 15:22		
		SW-846 5030, 8260B, Volatile Organic Compounds by GC/MS			06/22/2016 17:05

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 3510C, 8270C SIMS, SEMI-VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120036 SampType: MBLK Units mg/L

SampID: MBLK-120036

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,4-Dioxane	0.00100		ND							06/24/2016
Surr: 2-Fluorobiphenyl			0.00350 0.00500C			70.0		30.2	114	06/22/2016
Surr: 2-Fluorobiphenyl			0.00259 0.00500C			51.8		32.8	96.4	06/24/2016
Surr: Nitrobenzene-d5			0.00341 0.00500C			68.2		27.2	106	06/22/2016
Surr: Nitrobenzene-d5			0.00324 0.00500C			64.7		32.5	93	06/24/2016
Surr: p-Terphenyl-d14			0.00380 0.00500C			76.0		35.2	135	06/22/2016
Surr: p-Terphenyl-d14			0.00366 0.00500C			73.3		40.1	116	06/24/2016

Batch 120036 SampType: LCS Units mg/L

SampID: LCS-120036

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,4-Dioxane	0.00100		0.00368 0.01000	0		36.8		20.2	68.2	06/24/2016
Surr: 2-Fluorobiphenyl			0.00361 0.00500C			72.2		45.5	101	06/22/2016
Surr: 2-Fluorobiphenyl			0.00297 0.00500C			59.4		32.8	96.4	06/24/2016
Surr: Nitrobenzene-d5			0.00377 0.00500C			75.4		47.2	102	06/22/2016
Surr: Nitrobenzene-d5			0.00377 0.00500C			75.4		32.5	93	06/24/2016
Surr: p-Terphenyl-d14			0.00326 0.00500C			65.2		40.1	116	06/24/2016
Surr: p-Terphenyl-d14			0.00392 0.00500C			78.4		54.9	115	06/22/2016

Batch 120036 SampType: LCSD Units mg/L

SampID: LCSD-120036

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
1,4-Dioxane	0.00100		0.00420 0.01000	0		42.0		0.003685		13.04	06/24/2016
Surr: 2-Fluorobiphenyl			0.00333 0.00500C			66.7					06/24/2016
Surr: 2-Fluorobiphenyl			0.00331 0.00500C			66.2					06/22/2016
Surr: Nitrobenzene-d5			0.00405 0.00500C			81.0					06/24/2016
Surr: Nitrobenzene-d5			0.00348 0.00500C			69.6					06/22/2016
Surr: p-Terphenyl-d14			0.00390 0.00500C			78.0					06/24/2016
Surr: p-Terphenyl-d14			0.00368 0.00500C			73.6					06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120078	SampType:	MBLK	Units	µg/L						Date Analyzed
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0		ND							06/22/2016
1,1,1-Trichloroethane		5.0		ND							06/22/2016
1,1,2,2-Tetrachloroethane		5.0		ND							06/22/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0		ND							06/22/2016
1,1,2-Trichloroethane		5.0		ND							06/22/2016
1,1-Dichloro-2-propanone		50.0		ND							06/22/2016
1,1-Dichloroethane		5.0		ND							06/22/2016
1,1-Dichloroethene		5.0		ND							06/22/2016
1,1-Dichloropropene		5.0		ND							06/22/2016
1,2,3-Trichlorobenzene		5.0		ND							06/22/2016
1,2,3-Trichloropropane		5.0		ND							06/22/2016
1,2,3-Trimethylbenzene		5.0		ND							06/22/2016
1,2,4-Trichlorobenzene		5.0		ND							06/22/2016
1,2,4-Trimethylbenzene		5.0		ND							06/22/2016
1,2-Dibromo-3-chloropropane		5.0		ND							06/22/2016
1,2-Dibromoethane		5.0		ND							06/22/2016
1,2-Dichlorobenzene		5.0		ND							06/22/2016
1,2-Dichloroethane		5.0		ND							06/22/2016
1,2-Dichloropropane		5.0		ND							06/22/2016
1,3,5-Trimethylbenzene		5.0		ND							06/22/2016
1,3-Dichlorobenzene		5.0		ND							06/22/2016
1,3-Dichloropropane		5.0		ND							06/22/2016
1,4-Dichlorobenzene		5.0		ND							06/22/2016
1-Chlorobutane		5.0		ND							06/22/2016
2,2-Dichloropropane		5.0		ND							06/22/2016
2-Butanone		25.0		ND							06/22/2016
2-Chloroethyl vinyl ether		20.0		ND							06/22/2016
2-Chlorotoluene		5.0		ND							06/22/2016
2-Hexanone		25.0		ND							06/22/2016
2-Nitropropane		50.0		ND							06/22/2016
4-Chlorotoluene		5.0		ND							06/22/2016
4-Methyl-2-pentanone		25.0		ND							06/22/2016
Acetone		25.0		ND							06/22/2016
Acetonitrile		50.0		ND							06/22/2016
Acrolein		100		ND							06/22/2016
Acrylonitrile		5.0		ND							06/22/2016
Allyl chloride		5.0		ND							06/22/2016
Benzene		2.0		ND							06/22/2016
Bromobenzene		5.0		ND							06/22/2016
Bromochloromethane		5.0		ND							06/22/2016
Bromodichloromethane		5.0		ND							06/22/2016
Bromoform		5.0		ND							06/22/2016
Bromomethane		10.0		ND							06/22/2016
Carbon disulfide		5.0		ND							06/22/2016
Carbon tetrachloride		5.0		ND							06/22/2016
Chlorobenzene		5.0		ND							06/22/2016
Chloroethane		10.0		ND							06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120078	SampType	MBLK	Units	µg/L						Date Analyzed
SamplID:			MBLK-R160622A-1								
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			ND						06/22/2016
Chloromethane		10.0			ND						06/22/2016
Chloroprene		20.0			ND						06/22/2016
cis-1,2-Dichloroethene		5.0			ND						06/22/2016
cis-1,3-Dichloropropene		5.0			ND						06/22/2016
cis-1,4-Dichloro-2-butene		5.0			ND						06/22/2016
Cyclohexanone		50.0			ND						06/22/2016
Dibromochloromethane		5.0			ND						06/22/2016
Dibromomethane		5.0			ND						06/22/2016
Dichlorodifluoromethane		10.0			ND						06/22/2016
Ethyl acetate		10.0			ND						06/22/2016
Ethyl ether		5.0			ND						06/22/2016
Ethyl methacrylate		5.0			ND						06/22/2016
Ethylbenzene		5.0			ND						06/22/2016
Hexachlorobutadiene		5.0			ND						06/22/2016
Hexachloroethane		10.0			ND						06/22/2016
Iodomethane		5.0			ND						06/22/2016
Isopropylbenzene		5.0			ND						06/22/2016
m,p-Xylenes		5.0			ND						06/22/2016
Methacrylonitrile		10.0			ND						06/22/2016
Methyl Methacrylate		5.0			ND						06/22/2016
Methyl tert-butyl ether		2.0			ND						06/22/2016
Methylacrylate		10.0			ND						06/22/2016
Methylene chloride		5.0			ND						06/22/2016
Naphthalene		10.0			ND						06/22/2016
n-Butyl acetate		25.0			ND						06/22/2016
n-Butylbenzene		5.0			ND						06/22/2016
n-Heptane		20.0			ND						06/22/2016
n-Hexane		20.0			ND						06/22/2016
Nitrobenzene		50.0			ND						06/22/2016
n-Propylbenzene		5.0			ND						06/22/2016
o-Xylene		5.0			ND						06/22/2016
Pentachloroethane		20.0			ND						06/22/2016
p-Isopropyltoluene		5.0			ND						06/22/2016
Propionitrile		50.0			ND						06/22/2016
sec-Butylbenzene		5.0			ND						06/22/2016
Styrene		5.0			ND						06/22/2016
tert-Butylbenzene		5.0			ND						06/22/2016
Tetrachloroethene		5.0			ND						06/22/2016
Tetrahydrofuran		20.0			ND						06/22/2016
Toluene		5.0			ND						06/22/2016
trans-1,2-Dichloroethene		5.0			ND						06/22/2016
trans-1,3-Dichloropropene		5.0			ND						06/22/2016
trans-1,4-Dichloro-2-butene		10.0			ND						06/22/2016
Trichloroethene		5.0			ND						06/22/2016
Trichlorofluoromethane		5.0			ND						06/22/2016
Vinyl acetate		10.0			ND						06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120078 SampType: MBLK Units µg/L

SampID: MBLK-R160622A-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND							06/22/2016
Surr: 1,2-Dichloroethane-d4			48.4	50.00		96.8		74.7	129	06/22/2016
Surr: 4-Bromofluorobenzene			54.6	50.00		109.2		86	119	06/22/2016
Surr: Dibromofluoromethane			46.4	50.00		92.9		81.7	123	06/22/2016
Surr: Toluene-d8			49.4	50.00		98.8		84.3	114	06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120078	SampType:	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed			
				Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	
				SampID:	LCSD-R160622A-1										
1,1,1,2-Tetrachloroethane				5.0			45.4	50.00	0	90.8		46.98	3.46	06/22/2016	
1,1,1-Trichloroethane				5.0			46.2	50.00	0	92.5		48.07	3.86	06/22/2016	
1,1,2,2-Tetrachloroethane				5.0			50.2	50.00	0	100.3		50.65	0.95	06/22/2016	
1,1,2-Trichloro-1,2,2-trifluoroethane				20.0			45.0	50.00	0	90.0		47.72	5.87	06/22/2016	
1,1,2-Trichloroethane				5.0			46.8	50.00	0	93.5		48.27	3.20	06/22/2016	
1,1-Dichloro-2-propanone				50.0			121	125.0	0	96.7		122.0	0.94	06/22/2016	
1,1-Dichloroethane				5.0			52.1	50.00	0	104.1		54.17	3.95	06/22/2016	
1,1-Dichloroethene				5.0			49.2	50.00	0	98.5		51.34	4.16	06/22/2016	
1,1-Dichloropropene				5.0			51.7	50.00	0	103.3		53.57	3.61	06/22/2016	
1,2,3-Trichlorobenzene				5.0			47.4	50.00	0	94.9		48.48	2.15	06/22/2016	
1,2,3-Trichloropropane				5.0			44.7	50.00	0	89.4		45.46	1.71	06/22/2016	
1,2,3-Trimethylbenzene				5.0			48.1	50.00	0	96.2		48.95	1.73	06/22/2016	
1,2,4-Trichlorobenzene				5.0			47.0	50.00	0	94.0		48.01	2.13	06/22/2016	
1,2,4-Trimethylbenzene				5.0			48.9	50.00	0	97.8		50.54	3.28	06/22/2016	
1,2-Dibromo-3-chloropropane				5.0			50.0	50.00	0	99.9		50.56	1.17	06/22/2016	
1,2-Dibromoethane				5.0			45.5	50.00	0	90.9		46.20	1.61	06/22/2016	
1,2-Dichlorobenzene				5.0			44.0	50.00	0	88.1		45.20	2.58	06/22/2016	
1,2-Dichloroethane				5.0			49.5	50.00	0	99.0		49.97	0.99	06/22/2016	
1,2-Dichloropropane				5.0			54.1	50.00	0	108.2		54.74	1.16	06/22/2016	
1,3,5-Trimethylbenzene				5.0			49.0	50.00	0	97.9		50.65	3.37	06/22/2016	
1,3-Dichlorobenzene				5.0			45.1	50.00	0	90.3		46.17	2.26	06/22/2016	
1,3-Dichloropropane				5.0			49.0	50.00	0	97.9		50.60	3.27	06/22/2016	
1,4-Dichlorobenzene				5.0			44.5	50.00	0	88.9		44.98	1.14	06/22/2016	
1-Chlorobutane				5.0			53.4	50.00	0	106.7		55.42	3.77	06/22/2016	
2,2-Dichloropropane				5.0			52.9	50.00	0	105.8		55.79	5.30	06/22/2016	
2-Butanone				25.0			134	125.0	0	106.9		136.6	2.16	06/22/2016	
2-Chloroethyl vinyl ether				20.0	S		83.6	50.00	0	167.2		83.37	0.26	06/22/2016	
2-Chlorotoluene				5.0			49.2	50.00	0	98.3		50.55	2.81	06/22/2016	
2-Hexanone				25.0			132	125.0	0	106.0		134.3	1.39	06/22/2016	
2-Nitropropane				50.0			566	500.0	0	113.2		564.3	0.26	06/22/2016	
4-Chlorotoluene				5.0			50.6	50.00	0	101.3		51.26	1.24	06/22/2016	
4-Methyl-2-pentanone				25.0			134	125.0	0	106.9		136.1	1.79	06/22/2016	
Acetone				25.0			111	125.0	0	89.1		118.0	5.74	06/22/2016	
Acetonitrile				50.0			537	500.0	0	107.5		536.6	0.15	06/22/2016	
Acrolein				100			490	500.0	0	97.9		483.0	1.39	06/22/2016	
Acrylonitrile				5.0			54.7	50.00	0	109.4		55.11	0.71	06/22/2016	
Allyl chloride				5.0	S		62.2	50.00	0	124.3		64.44	3.59	06/22/2016	
Benzene				2.0			51.2	50.00	0	102.3		52.67	2.91	06/22/2016	
Bromobenzene				5.0			53.3	50.00	0	106.6		54.64	2.48	06/22/2016	
Bromochloromethane				5.0			52.3	50.00	0	104.6		53.94	3.07	06/22/2016	
Bromodichloromethane				5.0			50.7	50.00	0	101.4		51.72	1.95	06/22/2016	
Bromoform				5.0			45.5	50.00	0	90.9		46.45	2.13	06/22/2016	
Bromomethane				10.0			36.5	50.00	0	73.0		37.39	2.46	06/22/2016	
Carbon disulfide				5.0			48.1	50.00	0	96.1		50.99	5.90	06/22/2016	
Carbon tetrachloride				5.0			46.3	50.00	0	92.6		48.07	3.71	06/22/2016	
Chlorobenzene				5.0			46.2	50.00	0	92.4		48.15	4.09	06/22/2016	
Chloroethane				10.0			42.2	50.00	0	84.3		43.85	3.91	06/22/2016	

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120078	SampType:	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed	
SampID: LCSD-R160622A-1													
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
Chloroform		5.0				45.7	50.00	0	91.5		47.20		3.16
Chloromethane		10.0				44.4	50.00	0	88.8		45.02		1.43
Chloroprene		20.0				52.4	50.00	0	104.8		55.11		5.02
cis-1,2-Dichloroethene		5.0				51.9	50.00	0	103.7		53.24		2.61
cis-1,3-Dichloropropene		5.0				54.9	50.00	0	109.9		55.84		1.64
cis-1,4-Dichloro-2-butene		5.0				50.9	50.00	0	101.7		51.91		2.02
Cyclohexanone		50.0				471	500.0	0	94.3		485.2		2.90
Dibromochloromethane		5.0				47.1	50.00	0	94.3		48.59		3.03
Dibromomethane		5.0				46.3	50.00	0	92.6		47.37		2.33
Dichlorodifluoromethane		10.0				40.1	50.00	0	80.1		42.44		5.77
Ethyl acetate		10.0				53.3	50.00	0	106.7		52.68		1.25
Ethyl ether		5.0				51.6	50.00	0	103.1		53.07		2.91
Ethyl methacrylate		5.0				52.9	50.00	0	105.8		54.32		2.61
Ethylbenzene		5.0				48.1	50.00	0	96.2		50.44		4.73
Hexachlorobutadiene		5.0				48.6	50.00	0	97.1		50.42		3.76
Hexachloroethane		10.0				47.0	50.00	0	94.1		48.32		2.66
Iodomethane		5.0				40.3	50.00	0	80.6		44.65		10.27
Isopropylbenzene		5.0				48.1	50.00	0	96.2		50.55		4.93
m,p-Xylenes		5.0				97.5	100.0	0	97.5		102.0		4.50
Methacrylonitrile		10.0				55.8	50.00	0	111.5		55.25		0.94
Methyl Methacrylate		5.0				56.5	50.00	0	113.0		56.92		0.71
Methyl tert-butyl ether		2.0				53.0	50.00	0	106.0		53.24		0.43
Methylacrylate		10.0				53.0	50.00	0	106.1		55.38		4.30
Methylene chloride		5.0				49.0	50.00	0	98.1		50.47		2.89
Naphthalene		10.0				50.5	50.00	0	101.1		51.11		1.12
n-Butyl acetate		25.0				53.5	50.00	0	106.9		54.16		1.28
n-Butylbenzene		5.0				49.7	50.00	0	99.5		51.42		3.34
n-Heptane		20.0				58.4	50.00	0	116.8		62.25		6.36
n-Hexane		20.0				52.9	50.00	0	105.8		57.18		7.74
Nitrobenzene		50.0				492	500.0	0	98.4		502.4		2.07
n-Propylbenzene		5.0				49.8	50.00	0	99.6		51.43		3.22
o-Xylene		5.0				48.3	50.00	0	96.6		50.62		4.65
Pentachloroethane		20.0				47.0	50.00	0	93.9		48.20		2.63
p-Isopropyltoluene		5.0				49.1	50.00	0	98.1		50.92		3.70
Propionitrile		50.0				566	500.0	0	113.2		568.4		0.45
sec-Butylbenzene		5.0				49.6	50.00	0	99.3		51.51		3.70
Styrene		5.0				49.1	50.00	0	98.2		51.07		3.97
tert-Butylbenzene		5.0				47.3	50.00	0	94.6		49.22		4.02
Tetrachloroethene		5.0				42.0	50.00	0	84.0		44.08		4.86
Tetrahydrofuran		20.0				53.6	50.00	0	107.2		54.53		1.76
Toluene		5.0				47.0	50.00	0	94.0		49.10		4.39
trans-1,2-Dichloroethene		5.0				52.7	50.00	0	105.4		55.17		4.62
trans-1,3-Dichloropropene		5.0				51.3	50.00	0	102.5		52.34		2.08
trans-1,4-Dichloro-2-butene		10.0				51.5	50.00	0	103.0		51.80		0.60
Trichloroethene		5.0				48.1	50.00	0	96.2		49.90		3.67
Trichlorofluoromethane		5.0	S			36.9	50.00	0	73.8		38.85		5.18
Vinyl acetate		10.0				57.3	50.00	0	114.6		56.03		2.22

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120078	SampType	LCSD	Units	µg/L	RPD Limit 40						
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Vinyl chloride		2.0		41.4	50.00	0	82.9		43.67		5.22	06/22/2016
Surr: 1,2-Dichloroethane-d4				48.1	50.00		96.1					06/22/2016
Surr: 4-Bromofluorobenzene				53.5	50.00		107.1					06/22/2016
Surr: Dibromofluoromethane				47.2	50.00		94.3					06/22/2016
Surr: Toluene-d8				49.4	50.00		98.8					06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120078	SampType	LCS	Units	µg/L							Date Analyzed
SampID:	LCS-R160622A-1											
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0			47.0	50.00	0	94.0		81.9	115	06/22/2016
1,1,1-Trichloroethane		5.0			48.1	50.00	0	96.1		79.4	124	06/22/2016
1,1,2,2-Tetrachloroethane		5.0			50.6	50.00	0	101.3		74.7	116	06/22/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			47.7	50.00	0	95.4		72.9	121	06/22/2016
1,1,2-Trichloroethane		5.0			48.3	50.00	0	96.5		80.8	111	06/22/2016
1,1-Dichloro-2-propanone		50.0			122	125.0	0	97.6		66.3	130	06/22/2016
1,1-Dichloroethane		5.0			54.2	50.00	0	108.3		79.4	114	06/22/2016
1,1-Dichloroethene		5.0			51.3	50.00	0	102.7		74.1	117	06/22/2016
1,1-Dichloropropene		5.0			53.6	50.00	0	107.1		81.7	116	06/22/2016
1,2,3-Trichlorobenzene		5.0			48.5	50.00	0	97.0		79.7	118	06/22/2016
1,2,3-Trichloropropane		5.0			45.5	50.00	0	90.9		77.3	112	06/22/2016
1,2,3-Trimethylbenzene		5.0			49.0	50.00	0	97.9		79.9	119	06/22/2016
1,2,4-Trichlorobenzene		5.0			48.0	50.00	0	96.0		79.3	118	06/22/2016
1,2,4-Trimethylbenzene		5.0			50.5	50.00	0	101.1		78.7	115	06/22/2016
1,2-Dibromo-3-chloropropane		5.0			50.6	50.00	0	101.1		76	122	06/22/2016
1,2-Dibromoethane		5.0			46.2	50.00	0	92.4		80.8	114	06/22/2016
1,2-Dichlorobenzene		5.0			45.2	50.00	0	90.4		78.3	112	06/22/2016
1,2-Dichloroethane		5.0			50.0	50.00	0	99.9		70.6	118	06/22/2016
1,2-Dichloropropane		5.0			54.7	50.00	0	109.5		79.6	113	06/22/2016
1,3,5-Trimethylbenzene		5.0			50.6	50.00	0	101.3		77.5	115	06/22/2016
1,3-Dichlorobenzene		5.0			46.2	50.00	0	92.3		78.6	117	06/22/2016
1,3-Dichloropropane		5.0			50.6	50.00	0	101.2		78.8	112	06/22/2016
1,4-Dichlorobenzene		5.0			45.0	50.00	0	90.0		77.8	114	06/22/2016
1-Chlorobutane		5.0			55.4	50.00	0	110.8		78.6	115	06/22/2016
2,2-Dichloropropane		5.0			55.8	50.00	0	111.6		74.9	130	06/22/2016
2-Butanone		25.0			137	125.0	0	109.3		70.7	136	06/22/2016
2-Chloroethyl vinyl ether		20.0	S		83.4	50.00	0	166.7		52.5	145	06/22/2016
2-Chlorotoluene		5.0			50.6	50.00	0	101.1		77.4	114	06/22/2016
2-Hexanone		25.0			134	125.0	0	107.4		73.3	125	06/22/2016
2-Nitropropane		50.0			564	500.0	0	112.9		67.3	139	06/22/2016
4-Chlorotoluene		5.0			51.3	50.00	0	102.5		78.3	115	06/22/2016
4-Methyl-2-pentanone		25.0			136	125.0	0	108.9		76.3	122	06/22/2016
Acetone		25.0			118	125.0	0	94.4		56.4	147	06/22/2016
Acetonitrile		50.0			537	500.0	0	107.3		59.3	129	06/22/2016
Acrolein		100			483	500.0	0	96.6	1	201		06/22/2016
Acrylonitrile		5.0			55.1	50.00	0	110.2		74.1	128	06/22/2016
Allyl chloride		5.0	S		64.4	50.00	0	128.9		71.5	123	06/22/2016
Benzene		2.0			52.7	50.00	0	105.3		80	114	06/22/2016
Bromobenzene		5.0			54.6	50.00	0	109.3		73.2	118	06/22/2016
Bromochloromethane		5.0			53.9	50.00	0	107.9		73.3	121	06/22/2016
Bromodichloromethane		5.0			51.7	50.00	0	103.4		81.6	121	06/22/2016
Bromoform		5.0			46.4	50.00	0	92.9		83.1	127	06/22/2016
Bromomethane		10.0			37.4	50.00	0	74.8		44.4	154	06/22/2016
Carbon disulfide		5.0			51.0	50.00	0	102.0		73.2	118	06/22/2016
Carbon tetrachloride		5.0			48.1	50.00	0	96.1		79.4	130	06/22/2016
Chlorobenzene		5.0			48.2	50.00	0	96.3		81.4	110	06/22/2016
Chloroethane		10.0			43.8	50.00	0	87.7		52.1	137	06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120078	SampType: LCS	Units µg/L	Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
			SampID: LCS-R160622A-1										
Chloroform		5.0		47.2	50.00	0	94.4			82.7	116		06/22/2016
Chloromethane		10.0		45.0	50.00	0	90.0			48.2	144		06/22/2016
Chloroprene		20.0		55.1	50.00	0	110.2			80.6	126		06/22/2016
cis-1,2-Dichloroethene		5.0		53.2	50.00	0	106.5			78.2	116		06/22/2016
cis-1,3-Dichloropropene		5.0		55.8	50.00	0	111.7			83	119		06/22/2016
cis-1,4-Dichloro-2-butene		5.0		51.9	50.00	0	103.8			60.7	137		06/22/2016
Cyclohexanone		50.0		485	500.0	0	97.0			54.2	145		06/22/2016
Dibromochloromethane		5.0		48.6	50.00	0	97.2			81.2	121		06/22/2016
Dibromomethane		5.0		47.4	50.00	0	94.7			78.3	118		06/22/2016
Dichlorodifluoromethane		10.0		42.4	50.00	0	84.9			20.6	154		06/22/2016
Ethyl acetate		10.0		52.7	50.00	0	105.4			73.1	116		06/22/2016
Ethyl ether		5.0		53.1	50.00	0	106.1			75.2	109		06/22/2016
Ethyl methacrylate		5.0		54.3	50.00	0	108.6			80.1	113		06/22/2016
Ethylbenzene		5.0		50.4	50.00	0	100.9			77.2	113		06/22/2016
Hexachlorobutadiene		5.0		50.4	50.00	0	100.8			77.3	123		06/22/2016
Hexachloroethane		10.0		48.3	50.00	0	96.6			74.6	117		06/22/2016
Iodomethane		5.0		44.6	50.00	0	89.3			61.3	140		06/22/2016
Isopropylbenzene		5.0		50.6	50.00	0	101.1			81.3	114		06/22/2016
m,p-Xylenes		5.0		102	100.0	0	102.0			79.6	113		06/22/2016
Methacrylonitrile		10.0		55.2	50.00	0	110.5			77.2	125		06/22/2016
Methyl Methacrylate		5.0		56.9	50.00	0	113.8			74.2	121		06/22/2016
Methyl tert-butyl ether		2.0		53.2	50.00	0	106.5			76.8	117		06/22/2016
Methylacrylate		10.0		55.4	50.00	0	110.8			78	124		06/22/2016
Methylene chloride		5.0		50.5	50.00	0	100.9			74.1	114		06/22/2016
Naphthalene		10.0		51.1	50.00	0	102.2			77.9	122		06/22/2016
n-Butyl acetate		25.0		54.2	50.00	0	108.3			74	120		06/22/2016
n-Butylbenzene		5.0		51.4	50.00	0	102.8			71.1	120		06/22/2016
n-Heptane		20.0		62.2	50.00	0	124.5			67.4	129		06/22/2016
n-Hexane		20.0		57.2	50.00	0	114.4			68.4	126		06/22/2016
Nitrobenzene		50.0		502	500.0	0	100.5			37.9	181		06/22/2016
n-Propylbenzene		5.0		51.4	50.00	0	102.9			74.6	118		06/22/2016
o-Xylene		5.0		50.6	50.00	0	101.2			80.1	111		06/22/2016
Pentachloroethane		20.0		48.2	50.00	0	96.4			78.8	117		06/22/2016
p-Isopropyltoluene		5.0		50.9	50.00	0	101.8			77.6	118		06/22/2016
Propionitrile		50.0		568	500.0	0	113.7			72.9	137		06/22/2016
sec-Butylbenzene		5.0		51.5	50.00	0	103.0			74.5	119		06/22/2016
Styrene		5.0		51.1	50.00	0	102.1			83.4	113		06/22/2016
tert-Butylbenzene		5.0		49.2	50.00	0	98.4			75.9	114		06/22/2016
Tetrachloroethene		5.0		44.1	50.00	0	88.2			72.5	125		06/22/2016
Tetrahydrofuran		20.0		54.5	50.00	0	109.1			69.6	125		06/22/2016
Toluene		5.0		49.1	50.00	0	98.2			77.5	113		06/22/2016
trans-1,2-Dichloroethene		5.0		55.2	50.00	0	110.3			79	114		06/22/2016
trans-1,3-Dichloropropene		5.0		52.3	50.00	0	104.7			78	115		06/22/2016
trans-1,4-Dichloro-2-butene		10.0		51.8	50.00	0	103.6			63.3	128		06/22/2016
Trichloroethene		5.0		49.9	50.00	0	99.8			84.4	114		06/22/2016
Trichlorofluoromethane		5.0		38.8	50.00	0	77.7			75.2	132		06/22/2016
Vinyl acetate		10.0		56.0	50.00	0	112.1			64.5	127		06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS
Batch 120078 SampType: LCS Units $\mu\text{g/L}$

SampID: LCS-R160622A-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		43.7	50.00	0	87.3		58	134	06/22/2016
Surr: 1,2-Dichloroethane-d4			47.4	50.00		94.9		74.7	129	06/22/2016
Surr: 4-Bromofluorobenzene			53.2	50.00		106.3		86	119	06/22/2016
Surr: Dibromofluoromethane			46.6	50.00		93.2		81.7	123	06/22/2016
Surr: Toluene-d8			49.6	50.00		99.1		84.1	114	06/22/2016

Batch 120078 SampType: MS Units $\mu\text{g/L}$

SampID: 16061342-004BMS

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
1,1-Dichloroethene	5.0		52.2	50.00	0	104.4		35.7	136	06/22/2016
Benzene	2.0		57.6	50.00	0	115.3		62.5	121	06/22/2016
Chlorobenzene	5.0		51.9	50.00	0	103.8		78.6	114	06/22/2016
Ethylbenzene	5.0		55.2	50.00	0	110.5		74.4	130	06/22/2016
m,p-Xylenes	5.0		54.8	50.00	0	109.6		70.5	126	06/22/2016
o-Xylene	5.0		52.8	50.00	0	105.7		71.2	124	06/22/2016
Toluene	5.0		52.7	50.00	0	105.4		69.5	118	06/22/2016
Trichloroethene	5.0		56.6	50.00	0	113.2		69.4	117	06/22/2016
Surr: 1,2-Dichloroethane-d4			48.7	50.00		97.4		74.7	129	06/22/2016
Surr: 4-Bromofluorobenzene			54.8	50.00		109.6		86	119	06/22/2016
Surr: Dibromofluoromethane			47.0	50.00		94.0		81.7	123	06/22/2016
Surr: Toluene-d8			48.7	50.00		97.4		84.3	114	06/22/2016

Batch 120078 SampType: MSD Units $\mu\text{g/L}$

SampID: 16061342-004BMSD

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
1,1-Dichloroethene	5.0		46.5	50.00	0	93.0		52.22	11.63	06/22/2016	
Benzene	2.0		51.6	50.00	0	103.2		57.63	11.00	06/22/2016	
Chlorobenzene	5.0		46.1	50.00	0	92.2		51.91	11.88	06/22/2016	
Ethylbenzene	5.0		49.8	50.00	0	99.6		55.24	10.36	06/22/2016	
m,p-Xylenes	5.0		49.4	50.00	0	98.7		54.78	10.41	06/22/2016	
o-Xylene	5.0		47.7	50.00	0	95.4		52.83	10.19	06/22/2016	
Toluene	5.0		46.9	50.00	0	93.8		52.71	11.62	06/22/2016	
Trichloroethene	5.0		50.0	50.00	0	99.9		56.61	12.48	06/22/2016	
Surr: 1,2-Dichloroethane-d4			49.1	50.00		98.2				06/22/2016	
Surr: 4-Bromofluorobenzene			54.6	50.00		109.3				06/22/2016	
Surr: Dibromofluoromethane			46.7	50.00		93.3				06/22/2016	
Surr: Toluene-d8			48.7	50.00		97.3				06/22/2016	

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	MBLK	Units	µg/L						Date Analyzed	
SamplID: MBLK-N160622-1												
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	
1,1,1,2-Tetrachloroethane		5.0			ND							06/22/2016
1,1,1-Trichloroethane		5.0			ND							06/22/2016
1,1,2,2-Tetrachloroethane		5.0			ND							06/22/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0			ND							06/22/2016
1,1,2-Trichloroethane		5.0			ND							06/22/2016
1,1-Dichloro-2-propanone		50.0			ND							06/22/2016
1,1-Dichloroethane		5.0			ND							06/22/2016
1,1-Dichloroethene		5.0			ND							06/22/2016
1,1-Dichloropropene		5.0			ND							06/22/2016
1,2,3-Trichlorobenzene		5.0			ND							06/22/2016
1,2,3-Trichloropropane		5.0			ND							06/22/2016
1,2,3-Trimethylbenzene		5.0			ND							06/22/2016
1,2,4-Trichlorobenzene		5.0			ND							06/22/2016
1,2,4-Trimethylbenzene		5.0			ND							06/22/2016
1,2-Dibromo-3-chloropropane		5.0			ND							06/22/2016
1,2-Dibromoethane		5.0			ND							06/22/2016
1,2-Dichlorobenzene		5.0			ND							06/22/2016
1,2-Dichloroethane		5.0			ND							06/22/2016
1,2-Dichloropropane		5.0			ND							06/22/2016
1,3,5-Trimethylbenzene		5.0			ND							06/22/2016
1,3-Dichlorobenzene		5.0			ND							06/22/2016
1,3-Dichloropropane		5.0			ND							06/22/2016
1,4-Dichlorobenzene		5.0			ND							06/22/2016
1-Chlorobutane		5.0			ND							06/22/2016
2,2-Dichloropropane		5.0			ND							06/22/2016
2-Butanone		25.0			ND							06/22/2016
2-Chloroethyl vinyl ether		20.0			ND							06/22/2016
2-Chlorotoluene		5.0			ND							06/22/2016
2-Hexanone		25.0			ND							06/22/2016
2-Nitropropane		50.0			ND							06/22/2016
4-Chlorotoluene		5.0			ND							06/22/2016
4-Methyl-2-pentanone		25.0			ND							06/22/2016
Acetone		25.0			ND							06/22/2016
Acetonitrile		50.0			ND							06/22/2016
Acrolein		100			ND							06/22/2016
Acrylonitrile		5.0			ND							06/22/2016
Allyl chloride		5.0			ND							06/22/2016
Benzene		2.0			ND							06/22/2016
Bromobenzene		5.0			ND							06/22/2016
Bromochloromethane		5.0			ND							06/22/2016
Bromodichloromethane		5.0			ND							06/22/2016
Bromoform		5.0			ND							06/22/2016
Bromomethane		10.0			ND							06/22/2016
Carbon disulfide		5.0			ND							06/22/2016
Carbon tetrachloride		5.0			ND							06/22/2016
Chlorobenzene		5.0			ND							06/22/2016
Chloroethane		10.0			ND							06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	MBLK	Units	µg/L	Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
						SampleID:	MBLK-N160622-1									
Chloroform				5.0		ND										06/22/2016
Chloromethane				10.0		ND										06/22/2016
Chloroprene				20.0		ND										06/22/2016
cis-1,2-Dichloroethene				5.0		ND										06/22/2016
cis-1,3-Dichloropropene				5.0		ND										06/22/2016
cis-1,4-Dichloro-2-butene				5.0		ND										06/22/2016
Cyclohexanone				50.0		ND										06/22/2016
Dibromochloromethane				5.0		ND										06/22/2016
Dibromomethane				5.0		ND										06/22/2016
Dichlorodifluoromethane				10.0		ND										06/22/2016
Ethyl acetate				10.0		ND										06/22/2016
Ethyl ether				5.0		ND										06/22/2016
Ethyl methacrylate				5.0		ND										06/22/2016
Ethylbenzene				5.0		ND										06/22/2016
Hexachlorobutadiene				5.0		ND										06/22/2016
Hexachloroethane				10.0		ND										06/22/2016
Iodomethane				5.0		ND										06/22/2016
Isopropylbenzene				5.0		ND										06/22/2016
m,p-Xylenes				5.0		ND										06/22/2016
Methacrylonitrile				10.0		ND										06/22/2016
Methyl Methacrylate				5.0		ND										06/22/2016
Methyl tert-butyl ether				2.0		ND										06/22/2016
Methylacrylate				10.0		ND										06/22/2016
Methylene chloride				5.0		ND										06/22/2016
Naphthalene				10.0		ND										06/22/2016
n-Butyl acetate				25.0		ND										06/22/2016
n-Butylbenzene				5.0		ND										06/22/2016
n-Heptane				20.0		ND										06/22/2016
n-Hexane				20.0		ND										06/22/2016
Nitrobenzene				50.0		ND										06/22/2016
n-Propylbenzene				5.0		ND										06/22/2016
o-Xylene				5.0		ND										06/22/2016
Pentachloroethane				20.0		ND										06/22/2016
p-Isopropyltoluene				5.0		ND										06/22/2016
Propionitrile				50.0		ND										06/22/2016
sec-Butylbenzene				5.0		ND										06/22/2016
Styrene				5.0		ND										06/22/2016
tert-Butylbenzene				5.0		ND										06/22/2016
Tetrachloroethene				5.0		ND										06/22/2016
Tetrahydrofuran				20.0		ND										06/22/2016
Toluene				5.0		ND										06/22/2016
trans-1,2-Dichloroethene				5.0		ND										06/22/2016
trans-1,3-Dichloropropene				5.0		ND										06/22/2016
trans-1,4-Dichloro-2-butene				10.0		ND										06/22/2016
Trichloroethene				5.0		ND										06/22/2016
Trichlorofluoromethane				5.0		ND										06/22/2016
Vinyl acetate				10.0		ND										06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch 120083 SampType: MBLK Units µg/L

SampID: MBLK-N160622-1

Analyses	RL	Qual	Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit	Date Analyzed
Vinyl chloride	2.0		ND							06/22/2016
Surr: 1,2-Dichloroethane-d4			50.9	50.00		101.9		74.7	129	06/22/2016
Surr: 4-Bromofluorobenzene			50.9	50.00		101.9		86	119	06/22/2016
Surr: Dibromofluoromethane			50.8	50.00		101.6		81.7	123	06/22/2016
Surr: Toluene-d8			49.8	50.00		99.5		84.3	114	06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed	
SampID: LCSD-N160622-1													
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
1,1,1,2-Tetrachloroethane		5.0				49.9	50.00	0	99.8		52.70	5.48	06/22/2016
1,1,1-Trichloroethane		5.0				49.0	50.00	0	97.9		52.18	6.37	06/22/2016
1,1,2,2-Tetrachloroethane		5.0				46.7	50.00	0	93.4		48.52	3.78	06/22/2016
1,1,2-Trichloro-1,2,2-trifluoroethane		20.0				51.5	50.00	0	102.9		54.65	6.01	06/22/2016
1,1,2-Trichloroethane		5.0				46.2	50.00	0	92.3		48.63	5.23	06/22/2016
1,1-Dichloro-2-propanone		50.0				106	125.0	0	85.0		112.7	5.86	06/22/2016
1,1-Dichloroethane		5.0				47.1	50.00	0	94.2		50.58	7.17	06/22/2016
1,1-Dichloroethene		5.0				49.5	50.00	0	99.1		52.85	6.47	06/22/2016
1,1-Dichloropropene		5.0				48.3	50.00	0	96.7		51.15	5.67	06/22/2016
1,2,3-Trichlorobenzene		5.0				49.8	50.00	0	99.6		53.95	7.98	06/22/2016
1,2,3-Trichloropropane		5.0				45.5	50.00	0	91.0		48.19	5.76	06/22/2016
1,2,3-Trimethylbenzene		5.0				50.0	50.00	0	100.1		53.64	6.92	06/22/2016
1,2,4-Trichlorobenzene		5.0				53.2	50.00	0	106.4		56.09	5.31	06/22/2016
1,2,4-Trimethylbenzene		5.0				50.4	50.00	0	100.9		53.85	6.56	06/22/2016
1,2-Dibromo-3-chloropropane		5.0				45.7	50.00	0	91.4		47.89	4.68	06/22/2016
1,2-Dibromoethane		5.0				47.9	50.00	0	95.8		50.61	5.46	06/22/2016
1,2-Dichlorobenzene		5.0				49.6	50.00	0	99.3		52.88	6.34	06/22/2016
1,2-Dichloroethane		5.0				46.6	50.00	0	93.2		48.85	4.69	06/22/2016
1,2-Dichloropropane		5.0				48.0	50.00	0	96.0		50.69	5.47	06/22/2016
1,3,5-Trimethylbenzene		5.0				51.2	50.00	0	102.4		55.22	7.52	06/22/2016
1,3-Dichlorobenzene		5.0				50.8	50.00	0	101.7		53.80	5.68	06/22/2016
1,3-Dichloropropane		5.0				47.1	50.00	0	94.3		49.75	5.41	06/22/2016
1,4-Dichlorobenzene		5.0				49.6	50.00	0	99.3		52.87	6.32	06/22/2016
1-Chlorobutane		5.0				49.0	50.00	0	97.9		51.83	5.72	06/22/2016
2,2-Dichloropropane		5.0				50.3	50.00	0	100.6		54.60	8.18	06/22/2016
2-Butanone		25.0				112	125.0	0	89.4		118.3	5.68	06/22/2016
2-Chloroethyl vinyl ether		20.0				47.4	50.00	0	94.9		50.20	5.65	06/22/2016
2-Chlorotoluene		5.0				49.1	50.00	0	98.2		53.08	7.77	06/22/2016
2-Hexanone		25.0				112	125.0	0	89.7		118.0	5.08	06/22/2016
2-Nitropropane		50.0				490	500.0	0	97.9		504.1	2.93	06/22/2016
4-Chlorotoluene		5.0				50.5	50.00	0	101.0		53.41	5.62	06/22/2016
4-Methyl-2-pentanone		25.0				112	125.0	0	90.0		118.5	5.17	06/22/2016
Acetone		25.0				97.0	125.0	0	77.6		102.9	5.88	06/22/2016
Acetonitrile		50.0				458	500.0	0	91.6		474.7	3.59	06/22/2016
Acrolein		100				441	500.0	0	88.2		459.1	3.97	06/22/2016
Acrylonitrile		5.0				43.7	50.00	0	87.3		46.19	5.61	06/22/2016
Allyl chloride		5.0				53.0	50.00	0	106.0		57.99	8.99	06/22/2016
Benzene		2.0				46.9	50.00	0	93.8		49.87	6.14	06/22/2016
Bromobenzene		5.0				47.9	50.00	0	95.9		50.71	5.62	06/22/2016
Bromochloromethane		5.0				48.0	50.00	0	96.0		50.21	4.46	06/22/2016
Bromodichloromethane		5.0				50.1	50.00	0	100.2		52.71	5.10	06/22/2016
Bromoform		5.0				50.7	50.00	0	101.5		53.13	4.62	06/22/2016
Bromomethane		10.0				57.2	50.00	0	114.3		60.86	6.29	06/22/2016
Carbon disulfide		5.0				51.2	50.00	0	102.5		55.07	7.21	06/22/2016
Carbon tetrachloride		5.0				49.6	50.00	0	99.2		52.63	5.95	06/22/2016
Chlorobenzene		5.0				49.2	50.00	0	98.3		51.73	5.07	06/22/2016
Chloroethane		10.0				52.4	50.00	0	104.8		55.18	5.19	06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	LCSD	Units	µg/L	RPD Limit 40						Date Analyzed		
				SampleID:	LCSD-N160622-1	RL	Qual	Result	Spike	SPK Ref Val	%REC	RPD Ref Val	%RPD	
Analyses														
Chloroform				5.0		47.9	50.00	0	95.8	50.47	5.27	06/22/2016		
Chloromethane				10.0		51.2	50.00	0	102.4	53.82	4.95	06/22/2016		
Chloroprene				20.0		52.6	50.00	0	105.3	56.01	6.22	06/22/2016		
cis-1,2-Dichloroethene				5.0		48.7	50.00	0	97.4	52.25	6.99	06/22/2016		
cis-1,3-Dichloropropene				5.0		50.0	50.00	0	100.1	53.40	6.48	06/22/2016		
cis-1,4-Dichloro-2-butene				5.0		49.3	50.00	0	98.5	51.02	3.49	06/22/2016		
Cyclohexanone				50.0		443	500.0	0	88.6	490.5	10.21	06/22/2016		
Dibromochloromethane				5.0		51.1	50.00	0	102.1	53.67	4.98	06/22/2016		
Dibromomethane				5.0		47.0	50.00	0	94.0	49.18	4.51	06/22/2016		
Dichlorodifluoromethane				10.0		55.7	50.00	0	111.5	59.12	5.89	06/22/2016		
Ethyl acetate				10.0		42.2	50.00	0	84.4	44.51	5.33	06/22/2016		
Ethyl ether				5.0		47.4	50.00	0	94.8	49.97	5.30	06/22/2016		
Ethyl methacrylate				5.0		48.9	50.00	0	97.8	51.09	4.36	06/22/2016		
Ethylbenzene				5.0		50.1	50.00	0	100.2	53.01	5.60	06/22/2016		
Hexachlorobutadiene				5.0		56.1	50.00	0	112.2	60.28	7.22	06/22/2016		
Hexachloroethane				10.0		52.5	50.00	0	105.0	56.81	7.89	06/22/2016		
Iodomethane				5.0		50.7	50.00	0	101.4	50.84	0.32	06/22/2016		
Isopropylbenzene				5.0		51.7	50.00	0	103.4	54.79	5.78	06/22/2016		
m,p-Xylenes				5.0		101	100.0	0	100.6	106.8	6.02	06/22/2016		
Methacrylonitrile				10.0		48.8	50.00	0	97.6	49.09	0.61	06/22/2016		
Methyl Methacrylate				5.0		47.1	50.00	0	94.2	49.63	5.25	06/22/2016		
Methyl tert-butyl ether				2.0		48.5	50.00	0	97.0	51.05	5.16	06/22/2016		
Methylacrylate				10.0		46.5	50.00	0	93.0	47.88	2.92	06/22/2016		
Methylene chloride				5.0		46.0	50.00	0	91.9	48.37	5.11	06/22/2016		
Naphthalene				10.0		43.3	50.00	0	86.7	44.69	3.09	06/22/2016		
n-Butyl acetate				25.0		45.9	50.00	0	91.7	48.02	4.60	06/22/2016		
n-Butylbenzene				5.0		53.8	50.00	0	107.5	57.56	6.85	06/22/2016		
n-Heptane				20.0		53.0	50.00	0	106.0	57.78	8.61	06/22/2016		
n-Hexane				20.0		54.2	50.00	0	108.5	58.53	7.63	06/22/2016		
Nitrobenzene				50.0		448	500.0	0	89.6	494.3	9.83	06/22/2016		
n-Propylbenzene				5.0		50.6	50.00	0	101.2	54.94	8.20	06/22/2016		
o-Xylene				5.0		50.4	50.00	0	100.7	52.40	3.99	06/22/2016		
Pentachloroethane				20.0		51.6	50.00	0	103.2	55.16	6.69	06/22/2016		
p-Isopropyltoluene				5.0		53.5	50.00	0	107.0	56.85	6.05	06/22/2016		
Propionitrile				50.0		444	500.0	0	88.9	470.6	5.75	06/22/2016		
sec-Butylbenzene				5.0		53.2	50.00	0	106.4	57.36	7.51	06/22/2016		
Styrene				5.0		47.9	50.00	0	95.8	50.42	5.08	06/22/2016		
tert-Butylbenzene				5.0		51.0	50.00	0	102.1	54.32	6.23	06/22/2016		
Tetrachloroethene				5.0		49.0	50.00	0	98.0	52.46	6.78	06/22/2016		
Tetrahydrofuran				20.0		42.6	50.00	0	85.3	43.77	2.59	06/22/2016		
Toluene				5.0		46.8	50.00	0	93.7	50.43	7.36	06/22/2016		
trans-1,2-Dichloroethene				5.0		49.0	50.00	0	97.9	52.26	6.54	06/22/2016		
trans-1,3-Dichloropropene				5.0		49.8	50.00	0	99.5	52.58	5.53	06/22/2016		
trans-1,4-Dichloro-2-butene				10.0		47.2	50.00	0	94.5	50.55	6.75	06/22/2016		
Trichloroethene				5.0		48.4	50.00	0	96.9	51.82	6.76	06/22/2016		
Trichlorofluoromethane				5.0		46.9	50.00	0	93.8	50.13	6.68	06/22/2016		
Vinyl acetate				10.0		48.2	50.00	0	96.3	52.19	8.03	06/22/2016		

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	LCSD	Units	µg/L	RPD Limit 40						
Analyses		RL	Qual	Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD	Date Analyzed
Vinyl chloride		2.0		49.6	50.00	0	99.2		52.83	6.31		06/22/2016
Surr: 1,2-Dichloroethane-d4				49.0	50.00		98.0					06/22/2016
Surr: 4-Bromofluorobenzene				48.8	50.00		97.5					06/22/2016
Surr: Dibromofluoromethane				49.8	50.00		99.5					06/22/2016
Surr: Toluene-d8				49.5	50.00		99.0					06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	LCS	Units	µg/L						Date Analyzed	
				Analyses	RL	Qual	Result	Spike	SPK Ref Val	%REC	Low Limit	High Limit
				SampID:	LCS-N160622-1							
1,1,1,2-Tetrachloroethane				5.0			52.7	50.00	0	105.4	81.9	115
1,1,1-Trichloroethane				5.0			52.2	50.00	0	104.4	79.4	124
1,1,2,2-Tetrachloroethane				5.0			48.5	50.00	0	97.0	74.7	116
1,1,2-Trichloro-1,2,2-trifluoroethane				20.0			54.6	50.00	0	109.3	72.9	121
1,1,2-Trichloroethane				5.0			48.6	50.00	0	97.3	80.8	111
1,1-Dichloro-2-propanone				50.0			113	125.0	0	90.2	66.3	130
1,1-Dichloroethane				5.0			50.6	50.00	0	101.2	79.4	114
1,1-Dichloroethene				5.0			52.8	50.00	0	105.7	74.1	117
1,1-Dichloropropene				5.0			51.2	50.00	0	102.3	81.7	116
1,2,3-Trichlorobenzene				5.0			54.0	50.00	0	107.9	79.7	118
1,2,3-Trichloropropane				5.0			48.2	50.00	0	96.4	77.3	112
1,2,3-Trimethylbenzene				5.0			53.6	50.00	0	107.3	79.9	119
1,2,4-Trichlorobenzene				5.0			56.1	50.00	0	112.2	79.3	118
1,2,4-Trimethylbenzene				5.0			53.8	50.00	0	107.7	78.7	115
1,2-Dibromo-3-chloropropane				5.0			47.9	50.00	0	95.8	76	122
1,2-Dibromoethane				5.0			50.6	50.00	0	101.2	80.8	114
1,2-Dichlorobenzene				5.0			52.9	50.00	0	105.8	78.3	112
1,2-Dichloroethane				5.0			48.8	50.00	0	97.7	70.6	118
1,2-Dichloropropane				5.0			50.7	50.00	0	101.4	79.6	113
1,3,5-Trimethylbenzene				5.0			55.2	50.00	0	110.4	77.5	115
1,3-Dichlorobenzene				5.0			53.8	50.00	0	107.6	78.6	117
1,3-Dichloropropane				5.0			49.8	50.00	0	99.5	78.8	112
1,4-Dichlorobenzene				5.0			52.9	50.00	0	105.7	77.8	114
1-Chlorobutane				5.0			51.8	50.00	0	103.7	78.6	115
2,2-Dichloropropane				5.0			54.6	50.00	0	109.2	74.9	130
2-Butanone				25.0			118	125.0	0	94.7	70.7	136
2-Chloroethyl vinyl ether				20.0			50.2	50.00	0	100.4	52.5	145
2-Chlorotoluene				5.0			53.1	50.00	0	106.2	77.4	114
2-Hexanone				25.0			118	125.0	0	94.4	73.3	125
2-Nitropropane				50.0			504	500.0	0	100.8	67.3	139
4-Chlorotoluene				5.0			53.4	50.00	0	106.8	78.3	115
4-Methyl-2-pentanone				25.0			118	125.0	0	94.8	76.3	122
Acetone				25.0			103	125.0	0	82.3	56.4	147
Acetonitrile				50.0			475	500.0	0	94.9	59.3	129
Acrolein				100			459	500.0	0	91.8	1	201
Acrylonitrile				5.0			46.2	50.00	0	92.4	74.1	128
Allyl chloride				5.0			58.0	50.00	0	116.0	71.5	123
Benzene				2.0			49.9	50.00	0	99.7	80	114
Bromobenzene				5.0			50.7	50.00	0	101.4	73.2	118
Bromochloromethane				5.0			50.2	50.00	0	100.4	73.3	121
Bromodichloromethane				5.0			52.7	50.00	0	105.4	81.6	121
Bromoform				5.0			53.1	50.00	0	106.3	83.1	127
Bromomethane				10.0			60.9	50.00	0	121.7	44.4	154
Carbon disulfide				5.0			55.1	50.00	0	110.1	73.2	118
Carbon tetrachloride				5.0			52.6	50.00	0	105.3	79.4	130
Chlorobenzene				5.0			51.7	50.00	0	103.5	81.4	110
Chloroethane				10.0			55.2	50.00	0	110.4	52.1	137

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-N160622-1										
Analyses		RL	Qual		Result	Spike	SPK	Ref Val	%REC	Low Limit	High Limit
Chloroform		5.0			50.5	50.00	0	100.9		82.7	116
Chloromethane		10.0			53.8	50.00	0	107.6		48.2	144
Chloroprene		20.0			56.0	50.00	0	112.0		80.6	126
cis-1,2-Dichloroethene		5.0			52.2	50.00	0	104.5		78.2	116
cis-1,3-Dichloropropene		5.0			53.4	50.00	0	106.8		83	119
cis-1,4-Dichloro-2-butene		5.0			51.0	50.00	0	102.0		60.7	137
Cyclohexanone		50.0			490	500.0	0	98.1		54.2	145
Dibromochloromethane		5.0			53.7	50.00	0	107.3		81.2	121
Dibromomethane		5.0			49.2	50.00	0	98.4		78.3	118
Dichlorodifluoromethane		10.0			59.1	50.00	0	118.2		20.6	154
Ethyl acetate		10.0			44.5	50.00	0	89.0		73.1	116
Ethyl ether		5.0			50.0	50.00	0	99.9		75.2	109
Ethyl methacrylate		5.0			51.1	50.00	0	102.2		80.1	113
Ethylbenzene		5.0			53.0	50.00	0	106.0		77.2	113
Hexachlorobutadiene		5.0			60.3	50.00	0	120.6		77.3	123
Hexachloroethane		10.0			56.8	50.00	0	113.6		74.6	117
Iodomethane		5.0			50.8	50.00	0	101.7		61.3	140
Isopropylbenzene		5.0			54.8	50.00	0	109.6		81.3	114
m,p-Xylenes		5.0			107	100.0	0	106.8		79.6	113
Methacrylonitrile		10.0			49.1	50.00	0	98.2		77.2	125
Methyl Methacrylate		5.0			49.6	50.00	0	99.3		74.2	121
Methyl tert-butyl ether		2.0			51.0	50.00	0	102.1		76.8	117
Methylacrylate		10.0			47.9	50.00	0	95.8		78	124
Methylene chloride		5.0			48.4	50.00	0	96.7		74.1	114
Naphthalene		10.0			44.7	50.00	0	89.4		77.9	122
n-Butyl acetate		25.0			48.0	50.00	0	96.0		74	120
n-Butylbenzene		5.0			57.6	50.00	0	115.1		71.1	120
n-Heptane		20.0			57.8	50.00	0	115.6		67.4	129
n-Hexane		20.0			58.5	50.00	0	117.1		68.4	126
Nitrobenzene		50.0			494	500.0	0	98.9		37.9	181
n-Propylbenzene		5.0			54.9	50.00	0	109.9		74.6	118
o-Xylene		5.0			52.4	50.00	0	104.8		80.1	111
Pentachloroethane		20.0			55.2	50.00	0	110.3		78.8	117
p-Isopropyltoluene		5.0			56.8	50.00	0	113.7		77.6	118
Propionitrile		50.0			471	500.0	0	94.1		72.9	137
sec-Butylbenzene		5.0			57.4	50.00	0	114.7		74.5	119
Styrene		5.0			50.4	50.00	0	100.8		83.4	113
tert-Butylbenzene		5.0			54.3	50.00	0	108.6		75.9	114
Tetrachloroethene		5.0			52.5	50.00	0	104.9		72.5	125
Tetrahydrofuran		20.0			43.8	50.00	0	87.5		69.6	125
Toluene		5.0			50.4	50.00	0	100.9		77.5	113
trans-1,2-Dichloroethene		5.0			52.3	50.00	0	104.5		79	114
trans-1,3-Dichloropropene		5.0			52.6	50.00	0	105.2		78	115
trans-1,4-Dichloro-2-butene		10.0			50.6	50.00	0	101.1		63.3	128
Trichloroethene		5.0			51.8	50.00	0	103.6		84.4	114
Trichlorofluoromethane		5.0			50.1	50.00	0	100.3		75.2	132
Vinyl acetate		10.0			52.2	50.00	0	104.4		64.5	127

Quality Control Results

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	LCS	Units	µg/L						Date Analyzed
SampID:	LCS-N160622-1										
Analyses		RL	Qual			Result	Spike	SPK Ref Val	%REC		
Vinyl chloride		2.0				52.8	50.00	0	105.7	58	134
Surr: 1,2-Dichloroethane-d4						49.1	50.00		98.2	74.7	129
Surr: 4-Bromofluorobenzene						50.7	50.00		101.5	86	119
Surr: Dibromofluoromethane						50.1	50.00		100.3	81.7	123
Surr: Toluene-d8						50.0	50.00		100.0	84.1	114

Batch	120083	SampType	LCSGD	Units	%REC					RPD Limit	0	Date Analyzed
SampID:	LCSGD-N160622-1											
Analyses		RL	Qual			Result	Spike	SPK Ref Val	%REC			
Surr: 1,2-Dichloroethane-d4						49.2	50.00		98.5			06/22/2016
Surr: 4-Bromofluorobenzene						50.2	50.00		100.4			06/22/2016
Surr: Dibromofluoromethane						49.3	50.00		98.5			06/22/2016
Surr: Toluene-d8						50.0	50.00		100.0			06/22/2016

Batch	120083	SampType	LCSG	Units	%REC						Date Analyzed	
SampID:	LCSG-N160622-1											
Analyses		RL	Qual			Result	Spike	SPK Ref Val	%REC			
Surr: 1,2-Dichloroethane-d4						48.8	50.00		97.5	74.7	129	06/22/2016
Surr: 4-Bromofluorobenzene						50.9	50.00		101.8	86	119	06/22/2016
Surr: Dibromofluoromethane						49.2	50.00		98.3	81.7	123	06/22/2016
Surr: Toluene-d8						49.4	50.00		98.7	84.3	114	06/22/2016

Batch	120083	SampType	MS	Units	µg/L						Date Analyzed	
SampID:	16061342-011AMS											
Analyses		RL	Qual			Result	Spike	SPK Ref Val	%REC			
1,1-Dichloroethene		5.0				42.2	50.00	0	84.5	35.7	136	06/22/2016
Benzene		2.0				43.5	50.00	0	87.0	62.5	121	06/22/2016
Chlorobenzene		5.0				45.3	50.00	0	90.5	78.6	114	06/22/2016
Ethylbenzene		5.0				47.5	50.00	0	95.1	74.4	130	06/22/2016
m,p-Xylenes		5.0				46.8	50.00	0	93.6	70.5	126	06/22/2016
o-Xylene		5.0				46.5	50.00	0	92.9	71.2	124	06/22/2016
Toluene		5.0				43.1	50.00	0	86.1	69.5	118	06/22/2016
Trichloroethene		5.0				45.9	50.00	0	91.8	69.4	117	06/22/2016
Surr: 1,2-Dichloroethane-d4						51.2	50.00		102.3	74.7	129	06/22/2016
Surr: 4-Bromofluorobenzene						51.3	50.00		102.7	86	119	06/22/2016
Surr: Dibromofluoromethane						49.6	50.00		99.1	81.7	123	06/22/2016
Surr: Toluene-d8						49.4	50.00		98.8	84.3	114	06/22/2016

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

SW-846 5030, 8260B, VOLATILE ORGANIC COMPOUNDS BY GC/MS

Batch	120083	SampType	MSD	Units	µg/L	RPD Limit 20						Date Analyzed	
SamplID: 16061342-011AMSD													
Analyses		RL	Qual			Result	Spike	SPK	Ref Val	%REC	RPD	Ref Val	%RPD
1,1-Dichloroethene		5.0				41.4	50.00	0	82.7		42.23	2.11	06/22/2016
Benzene		2.0				42.8	50.00	0	85.7		43.52	1.57	06/22/2016
Chlorobenzene		5.0				45.2	50.00	0	90.3		45.27	0.24	06/22/2016
Ethylbenzene		5.0				47.4	50.00	0	94.9		47.53	0.21	06/22/2016
m,p-Xylenes		5.0				46.6	50.00	0	93.3		46.82	0.41	06/22/2016
o-Xylene		5.0				46.4	50.00	0	92.9		46.47	0.04	06/22/2016
Toluene		5.0				42.5	50.00	0	85.0		43.06	1.31	06/22/2016
Trichloroethene		5.0				45.5	50.00	0	91.0		45.90	0.85	06/22/2016
Surr: 1,2-Dichloroethane-d4						51.3	50.00		102.5				06/22/2016
Surr: 4-Bromofluorobenzene						51.5	50.00		102.9				06/22/2016
Surr: Dibromofluoromethane						49.2	50.00		98.4				06/22/2016
Surr: Toluene-d8						50.0	50.00		100.0				06/22/2016

Receiving Check List

<http://www.teklabinc.com/>

Client: Civil & Environmental Consultants

Work Order: 16061342

Client Project: Huster Road Substation 120-678

Report Date: 27-Jun-16

Carrier: Monte Peake

Received By: KF

Completed by:

On:

21-Jun-16

Kalyn Foecke
Kalyn Foecke

Reviewed by:

On:

21-Jun-16

Elizabeth A. Hurley

Elizabeth A. Hurley

Pages to follow: Chain of custody 2

Extra pages included 0

Shipping container/cooler in good condition?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	Not Present <input type="checkbox"/>	Temp °C 13.42
Type of thermal preservation?	None <input type="checkbox"/>	Ice <input checked="" type="checkbox"/>	Blue Ice <input type="checkbox"/>	Dry Ice <input type="checkbox"/>
Chain of custody present?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody signed when relinquished and received?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Chain of custody agrees with sample labels?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Samples in proper container/bottle?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sample containers intact?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Sufficient sample volume for indicated test?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
All samples received within holding time?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
Reported field parameters measured:	Field <input type="checkbox"/>	Lab <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	
Container/Temp Blank temperature in compliance?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>		
<i>When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.</i>				
Water – at least one vial per sample has zero headspace?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	No VOA vials <input type="checkbox"/>	
Water - TOX containers have zero headspace?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	No TOX containers <input checked="" type="checkbox"/>	
Water - pH acceptable upon receipt?	Yes <input checked="" type="checkbox"/>	No <input type="checkbox"/>	NA <input type="checkbox"/>	
NPDES/CWA TCN interferences checked/treated in the field?	Yes <input type="checkbox"/>	No <input type="checkbox"/>	NA <input checked="" type="checkbox"/>	

Any No responses must be detailed below or on the COC.

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 10001342

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Civil & Environmental Consultants			Samples on: <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE 1342°C
Address:	4848 Park 370 Blvd.			Preserved in: <input type="checkbox"/> LAB <input checked="" type="checkbox"/> FIELD <u>FOR LAB USE ONLY</u>
City / State / Zip	Hazelwood, MO 63042			Lab Notes
Contact:	Monte Peake	Phone:	(314) 656-4566	<i>FERO NOCAsPCCO AM 6/21/16</i>
E-Mail:	mpeake@cecinc.com			Client Comments: MS/MSD COLLECTED FROM PZ-5

Are these samples known to be involved in litigation? If yes, a surcharge will apply Yes NoAre these samples known to be hazardous? Yes NoAre there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. Yes No

Project Name/Number		Sample Collector's Name						MATRIX		INDICATE ANALYSIS REQUESTED										
Huster Road Substation 120-678		NEIL K. / MONTE P.						VOC 8260												
Results Requested		Billing Instructions		# and Type of Containers						14-DIOXANE										
Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCl	MeOH	NaHSO4	OTHER	Drinking Water	Soil	Sludge	Aqueous	Special Waste	Groundwater	VOC 8260	14-DIOXANE		
10001342-001	PZ-10	6/21/16 @ 0911	1			2					X	X	X							
002	PZ-4	0938				2					X	X								
003	PZ-9	0957				2					X	X								
004	PZ-5	1013	1		2						X	X	X							
005	MS/MSD	1013			2						X	X								
006	PZ-8	1038			2						X	X								
007	PZ-7	1100	1		2						X	X	X							
008	PZ-6	1122			2						X	X								
009	PZ-1 (WEST)	1326			2						X	X								
010	PZ-2 (CENTRAL)	1341	1		2						X	X	X							

Relinquished By	Date/Time	Received By	Date/Time
<i>Mark Peake</i>	6/21/16 @ 1522	<i>Kloosche</i>	6/21/16 1522

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

BottleOrder: 24511



CHAIN OF CUSTODY

pg. 1 of 2 Work order # 16061342

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Civil & Environmental Consultants Address: 4848 Park 370 Blvd. City / State / Zip Hazelwood, MO 63042		Samples on: <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C Preserved in: <input type="checkbox"/> LAB <input type="checkbox"/> FIELD FOR LAB USE ONLY Lab Notes Client Comments:																					
Contact: Monte Peake Phone: (314) 656-4566 E-Mail: mpeake@cecinc.com Fax: _____																							
Are these samples known to be involved in litigation? If yes, a surcharge will apply <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are these samples known to be hazardous? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Are there any required reporting limits to be met on the requested analysis? If yes, please provide limits in the comment section. <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No																							
Project Name/Number Huster Road Substation 120-678		Sample Collector's Name AMEREN																					
Results Requested <input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)		Billing Instructions VOC 8260																					
Lab Use Only		# and Type of Containers																					
Lab Use Only		Sample Identification		Date/Time Sampled		UNPRES		HNO3		NaOH		H2SO4		HCl		MeOH		NaHSO4		OTHER			
<u>16061342-010 DT</u>		<u>PZ-3 (EAST)</u>		<u>6/21/16 @ 1356</u>		<u>2</u>		<u>X</u>		<u>X</u>													
<u>01-012</u>		<u>PZ-11</u>		<u>1412</u>		<u>2</u>		<u>X</u>		<u>X</u>													
<u>01-013</u>		<u>PZ-12</u>		<u>1431</u>		<u>2</u>		<u>X</u>		<u>X</u>													
<u>01-014</u>		<u>DUP</u>		<u>↓</u>		<u>2</u>		<u>X</u>		<u>X</u>													
Relinquished By <u>Mark Kuhn</u>		Date/Time <u>6/21/16 @ 1522</u>		Received By <u>K. Roeder</u>		Date/Time <u>6/21/16 1522</u>																	

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client.

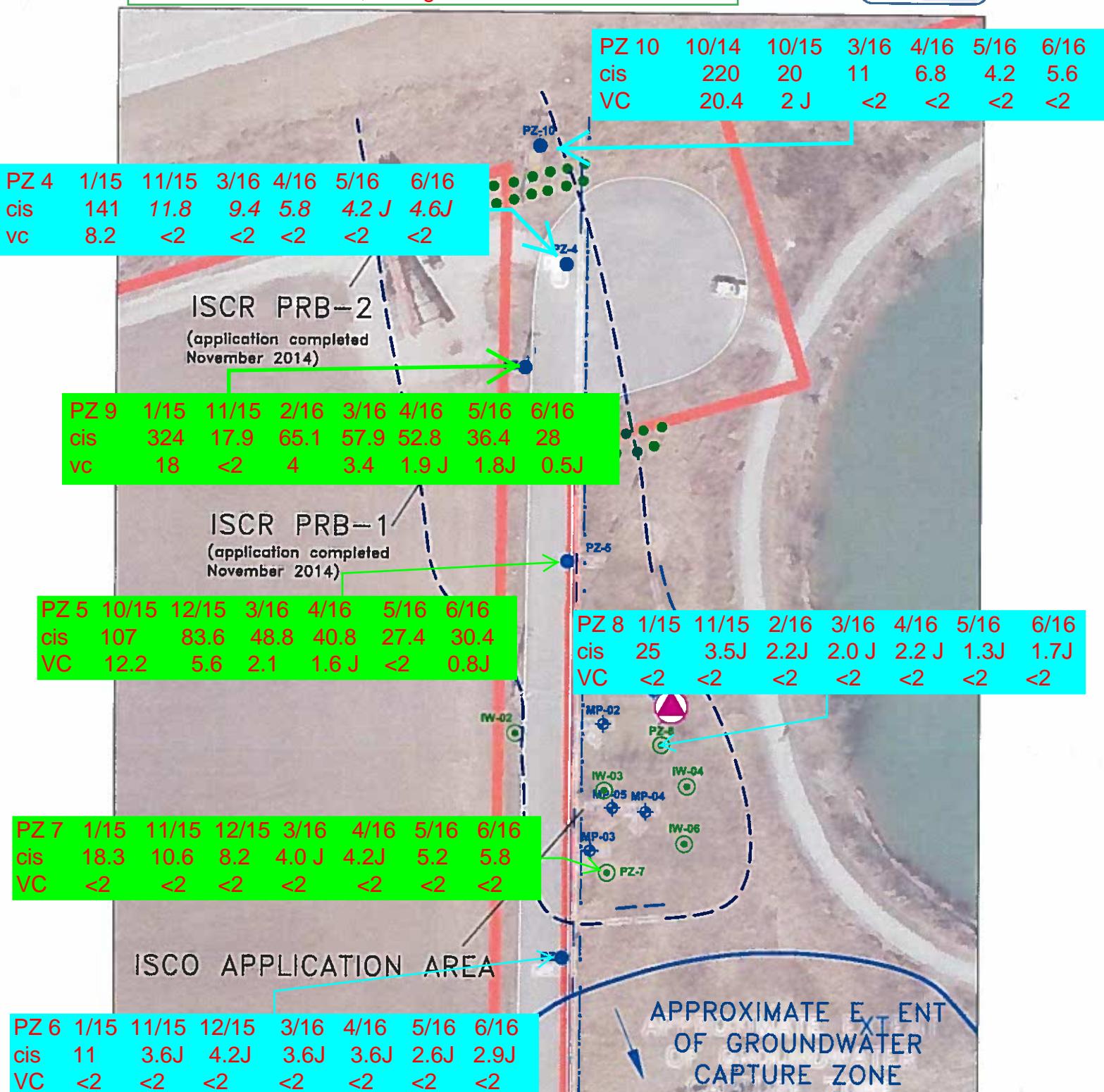
BottleOrder: 24511



After to Phase II injections - 4/15

Blue fill - means COCs below detection limits,
Green fill - below MCL; Orange - one not below MCL

DRAFT



LEGEND	
—	= APPROXIMATE EXTENT OF TREATMENT AREA
(●)	= APPROXIMATE LOCATION OF CITY WELL
(●)	= APPROXIMATE LOCATION OF 2013 AND 2014 2-INCH PIEZOMETERS
(◆)	= PROPOSED 1-INCH MONITORING POINT LOCATION
(●)	= ISCR INJECTION POINT
(●)	= PROPOSED ISCO INJECTION POINT
(—)	= LOCATION OF PROPERTY BOUNDARIES
(—)	= APPROXIMATE LOCATION OF BELOW GRADE WATER LINE

NOTES:

1. THE UNDERLYING AERIAL SHOWING THE PROPERTY BOUNDARIES IS FROM THE ST. CHARLES COUNTY ON-LINE CIS MAPPING SERVICE.
2. ISCR = IN SITU CHEMICAL REDUCTION; ISCO = IN SITU CHEMICAL OXIDATION.
3. ALL WELL AND PIEZOMETER LOCATIONS ARE APPROXIMATE.
4. THE 2013 PIEZOMETER LOCATIONS ARE BASED ON A SITE MAP PREPARED BY GEOTECHNOLOGY, INC. (JULY 2013).
5. THE LOCATION OF THE ISCO AND ISCR INJECTION POINTS ARE APPROXIMATE AND WILL BE FINALIZED BASED ON FIELD CONDITIONS, EQUIPMENT ACCESSIBILITY, AND SITE ACCESS.
6. THE APPROXIMATE EXTENT OF THE GROUNDWATER CONTAINMENT ZONE IS BASED ON FLOW MODELING CONDUCTED BY OSI ENVIRONMENTAL, INC. (JULY 2013).

20' 0' 20' 40'
SCALE AS SHOWN
DATE: DECEMBER 2014
PROJECT NO. 12056.01
CLIENT: AMEREN
DRAWN BY: EH
CHECKED BY: DI
PROFESSIONAL APPROVAL: DI

XDD
STRATEGIC ENVIRONMENTAL SOLUTIONS.
SITE PLAN
Plume Containment Pilot Test Work Plan
FIGURE 1 Rev. 3

